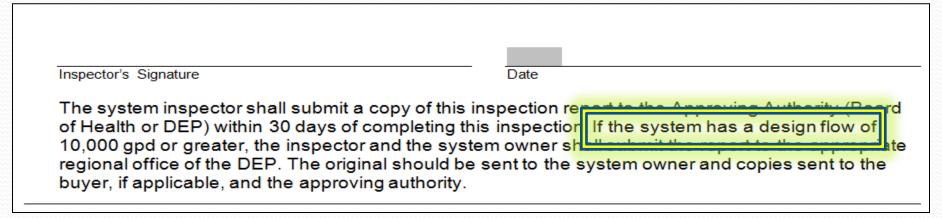
# MassDEP

Title 5 Updates

- Change to the Inspection Form
- Assisted Living Design Flow
- Wastewater-Regulatory Review
- I/A Approvals

## Change to the Inspection Form



- Changes to Title 5 done in January 2014
- On Page 1, Paragraph under Inspector's Signature
- This sentence previously read: "If the system is a shared system or has a design flow..."

   the "shared system" piece was removed because the DEP no longer approves these systems

## Assisted Living Design Flow:

Section 60 of Chapter 259 of the Acts of 2014:

- required MassDEP to evaluate flows for assisted living facilities
- to promulgate a design flow specific to such facilities by September 30, 2016.

MassDEP reviewed actual flow data from assisted living facilities and nursing homes

- Data revealed the actual flows for both types of facilities are very similar Average water usage for assisted living = 77.5 gpd/bed Average water usage for nursing homes = 81 gpd/bed
- -Title 5 uses 200% of actual flow for design to address peak flow

Promulgated September 9, 2016, under 15.203(4) Institutional

- -Added Assisted Living Flow of 150 gpd/bed
- -Kept Nursing Home Design Flow 150 gpd/bed

# Wastewater: Regulatory Review

- Stakeholders request to review:
  - Title 5 regulations (310 CMR 15.000) and
  - Groundwater Discharge Permitting regulations (314 CMR 5.00)
- Interested Stakeholder Groups:
  - Home Builders
  - Commercial Developers
  - Seasonal Campgrounds
- MassDEP to convene external stakeholder group in early 2017

# Wastewater: Regulatory Review

- Title 5 (310 CMR 15.000) revisions for consideration:
  - Design flows for residential facilities
    - Effect of low flow fixtures on water use
  - Use of holding tanks for peak flows
  - Reductions in groundwater separation requirements for new construction using alternative technologies
  - Uniform statewide Title 5 Code
- Title 5 (310 CMR 15.000) and Groundwater Discharge (314 CMR 5.00) revisions for consideration:
  - Flow threshold for groundwater discharge permit
    - New category of large systems (7,500-30,000)

## I/A Approvals

http://www.mass.gov/eea/agencies/massdep/water/wastewater/septic-systems-title-5.html#5

#### Innovative/Alternative (I/A) Technology

- MassDEP's Technology Approval Process for I/A Systems
   MassDEP has a three-tiered approval process for new technologies: Piloting, Provisional Use, and General Use.
- Innovative/Alternative Systems: Frequently Asked Questions
   Common questions about innovative/alternative septic system technologies
- Innovative and Alternative (I/A) Septic Systems Fact Sheet
   Basic information and questions about system maintenance and design.
- I/A Systems for Repairs and New Construction
   Information about using innovative/alternative wastewater systems in new construction or to remedy a failing or non-conforming septic system.
- Summary of Innovative/Alternative Technologies Approved for Use in Massachusetts and Under Review
  Summary table of innovative/alternative technologies approved for use in Massachusetts and options for systems not
  currently approved.
- Title 5 Innovative/Alternative Technology Approval Letters
   MassDEP's approval letters to I/A technology manufacturers. MassDEP approval does not constitute an endorsement
   of any specific technology.

# Title 5 Updates I/A Approvals

General Use - Alternative SAS, Patented Sand Filters and Chambers

### Standard Conditions for All Alternative Soil Absorption Systems



These conditions apply only to the approvals listed below. Please be advised that if designed in accordance with these approvals, MassDEP approval is no longer required. Revised February 3, 2016.

### Chamber Field Drain Contactors and Recharger by Cultec, Inc.

• Chamber Field Drain Contactors and Recharger by Cultec, Inc. Approval 📆 🗐

## H-20 Reinforced Concrete Chamber CTL-12 and CTL-18 by Cur-Tech, LLC

H-20 Reinforced Concrete Chamber CTL-12 and CTL-18 by Cur-Tech, LLC General Use Approval <a href="#">T</a>

### Biodiffuser and ARC Chamber by Infiltrator Water Technologies, LLC

- Biodiffuser and ARC Chamber by Infiltrator Water Technologies, LLC General Use Approval 📆 👜
- Arc Chambers by Infiltrator Design and Installation Manual 🔁 13мв

## Contact Information

http://www.mass.gov/eea/agencies/massdep/

http://www.mass.gov/eea/agencies/massdep/service/ompga/

★ EEA Home > Agencies > MassDEP > Office of Municipal Partnerships & Governmental Affairs.

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Learn more







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